YORK
Survey Supply

Nothing else measures up!

Prospect House
George Cayley Drive
Clifton Moor
York
England
YO30 4XE

Tel: +44 (0) 1904 692723
Fax: +44 (0) 1904 690385

E-Mail: sales@yorksurvey.co.uk

www.YorkSurvey.co.uk
...for secure online ordering of all our products!

YORK Survey Supply

StudSensor ProSL

Code: 51246

Operating Instructions

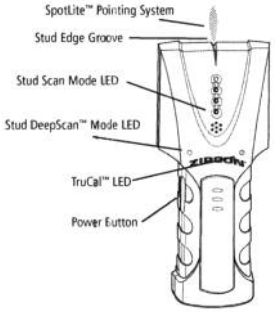
Ref:.. \operat98\instructions 15\51246.qxp 05-01-15

©York Survey Supply Centre 2015

StudSensor ProSL

Stud and Joist Finder

The Zircon StudSensor ProSL finds wood and metal studs up to ¾in (19mm) deep in walls. It also finds studs up to 1½in (38mm) deep in floors and ceilings. It features a sleek, high impact case, a built in belt clip and the SpotLite Pointing System.



1. MODE SELECTION

• Selecting Mode: For normal scan, press power button once. For DeepScan, click button twice (DeepScan LED will light).
• When looking for studs, always start with the scanner in Stud Scan mode, which scans through surfaces up to ¾in thick.
• DeepScan mode should only be selected if you know the surface is built up and thicker than normal construction. You should always scan the area in Stud Scan mode first, to verify that DeepScan is needed. DeepScan is for depths between ¾in and 1½in.

2. IMPORTANT OPERATING TIPS - PLEASE READ CAREFULLY

• **Tool Position.** For proper use, always place scanner flat against the surface before turning on power.
• **Power.** Depress and hold in the power button continuously while in use.
• **Calibration.** Place unit flat on wall. Press and hold the power button. Do not move the unit until calibration is complete (1 - 2 seconds). When calibration is complete, the TruCal LED will stay on.
• **Operation.** Move the unit slowly, while keeping it flat against the wall. Do not rock, tilt or lift it.
• If you calibrate over a stud in DeepScan mode you will probably not detect any studs. Move the unit a few inches right or left, release the power button, and start over.

3. SCANNING IN STUD SCAN OR DEEPSCAN MODE

After calibrating (see number 2), continue to hold the power button and slowly slide the unit across the surface. As you begin to approach a stud, the red LEDs will light successively, from bottom to top (see illustrations).
Continue moving the scanner slowly. When the top green LED is lit, the beep sounds and the SpotLite Pointing System beam shines you have located the edge of the stud. Mark this spot.
Continue scanning beyond the marked spot until the LEDs go out. Slide unit in reverse direction to locate other edge of stud. Mark this second spot. Middle of the stud is centred between the two marks.

Scanning in Stud Scan or DeepScan

Note: DeepScan may reprot other things besides studs. Please see numbers 4 and 6.

4. OPERATING CAUTIONS

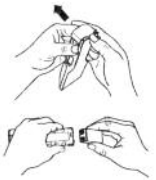
Depending on the proximity of electrical wiring or pipes to the wall surface, the StudSensor may detect them in the same manner as studs, especially in DeepScan mode. Caution should always be used when nailing, sawing or drilling into walls, floors and ceilings that may contain these items. Because of its increased sensitivity, DeepScan may also detect other things in walls that are not studs.
To avoid surprises, remember that studs or joists are normally spaced 16in (406mm) or 24in (610mm) apart and are 1½in (38mm) in width. Anything closer together or a different width may not be a stud, joist or firebreak. Always turn off the power when working near electrical wires.

Working with Different Materials

Wallpaper: The StudSensor functions normally on walls covered with wallpaper or fabric, unless the materials are metallic foil, contain metallic fibres or are still wet after application.
Textured walls or acoustic ceilings: When scanning a ceiling or wall with an uneven surface, place thin cardboard on the surface to be scanned and scan over the cardboard using DeepScan mode. Calibrate with cardboard in place.
Wood flooring, subflooring or gypsum drywall over plywood sheathing: Use DeepScan mode.
The StudSensor cannot scan for wood studs and joists through ceramic tile, carpeting and pad. It is not recommended for use on lath and plaster walls due to irregularities in plaster thickness.
Note: Sensing depth and accuracy can vary due to moisture content of materials, wall texture and paint.

5. CHANGING THE BATTERY

Note: Do not loosen or remove screw on back of the unit.



Squeeze sides of unit to help release clip end.
Slide 9V battery into compartment, terminal side first, matching (+) and (-) terminals from battery to case.
Replace the clip. Battery life is approximately 2 years under normal conditions.

6. HELPFUL HINTS

See also number 2, Important Operating Tips.

Situation	Probable Causes	Solutions
No indications.	• No studs in that area. • You are in DeepScan mode and accidentally calibrated over a stud.	• Move several inches to the left or right and start again.
Lights start blinking and unit beeps repeatedly.	• Tool was calibrated over a stud or on a dense part of the wall. • Tool tilted or lifted during scan.	• Turn scanner off, move over a few inches, press power button and start again. • On rough surfaces, place thin cardboard on the wall, scanning through it to help slide scanner more smoothly.
Detects other objects besides studs in Stud Scan and DeepScan modes. Finds more targets than there should be.	• Electrical wiring and metal/plastic pipes may be near or touching back surface of wall.	• Check for other studs equally spaced to either side (12, 16 or 24in apart [305, 406 or 610mm]) or the same stud at several places directly above or below the first. • Use CAUTION when nailing, sawing or drilling into walls, floors and ceilings where these items may exist.

©York Survey Supply Centre 2015